REMARKS

These remarks are directed to the office action mailed August 21, 2007, setting a three month shortened statutory period for response set to expire on November 21, 2007. The office action issued by the Examiner and the citations referred to in the office action have been carefully considered.

Prompt reconsideration is requested in view of the above claim amendments and the following remarks. As indicated, amendments introduce no new matter.

Claim Rejections under 35 USC § 102 and § 103

Claims 1-5 and 10-12 are rejected under 35 USC §102(b) as being anticipated by Peelor et al. (U.S. Patent No. 5,338,776). Claims 6 and 9 are rejected under 35 USC §103(a) as being obvious over Peelor et al. Claims 7, 8, and 13-15 are rejected under 35 USC §103(a) as being obvious over Peelor et al. in view of Reese (U.S. Patent No. 4,513,803). Claims 1-15 have been canceled rendering all the present rejections moot.

The Examiner states on page 2 of the office action that Peelor et al. discloses a gas mixture comprising "a mixture with a high heat transfer capacity (see column 3)." Applicant traverses this statement submitting that Peelor et al. does not disclose the gas mixture as having a high heat transfer capacity. Peelor et al. teaches a tire sealant for repairing punctured tires and does not address heat transfer characteristics at all in column 3 or anywhere else for that matter.

New independent claims 16 and 18 recite a gas mixture comprising carbon dioxide in addition to a hydrofluorocarbon mixture. As stated by the Examiner on page 3 of the office action, Peelor et al. "doesn't disclose a certain percentage of carbon dioxide." Therefore Applicant submits that claims 16 and 18 are not anticipated by Peelor et al.

Reese only discloses "filling or inflating a tire hollow chamber with air, nitrogen, and carbon dioxide is known." Reese does not teach or suggest mixing carbon dioxide with

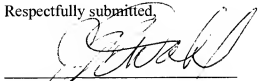
hydrofluorocarbons, much less specific weight percentages of carbon dioxide and hydrofluorocarbons. Peelor et al. also does not teach or suggest mixing carbon dioxide with hydrofluorocarbons. Because none of the references teach or suggest mixing carbon dioxide with hydrofluorocarbons, new claim 16 is not obvious in view of Peelor et al. by itself or Peeler et al. in view of Reese. Applicant submits that independent claim 16 and its dependent claim are patentable under 35 USC §103.

New claim 18 is a method of minimizing heat retention in a gas within a tire rotating on a surface. The phrase "heat retention" is implied inherently from the table in Applicant's specification showing the difference in tire temperatures due to the different heat transfer capacities of various gases used to inflate the tire. Peelor et al. teaches a tire sealant for repairing punctured tires. Reese teaches an tire inflating gas that does not penetrate the walls of the tire. None of the references teach a method of minimizing heat retention. Therefore Applicant submits that independent claim 18 and its dependent claim are patentable under 35 USC §103.

In view of the above, it is respectfully submitted that this application is now in good order for allowance, and such early action is respectfully solicited. Should matters remain, which the Examiner believes could be resolved in a telephone interview, the Examiner is requested to telephone Applicant's undersigned attorney.

The Director is authorized to charge any additional fee(s) or any underpayment of fee(s), or to credit any overpayments to **Deposit Account Number 50-2638**. Please ensure that Attorney Docket Number 058009-020200 is referred to when charging any payments or credits for this case.

Respectfully submitted,



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